KoPa Cam Software

User Manual

Ver 1.6

SHENZHEN OSTEC OPTO-ELECTRONIC TECHNOLOGY CO.,LTD.

http://www.ostec.com.cn

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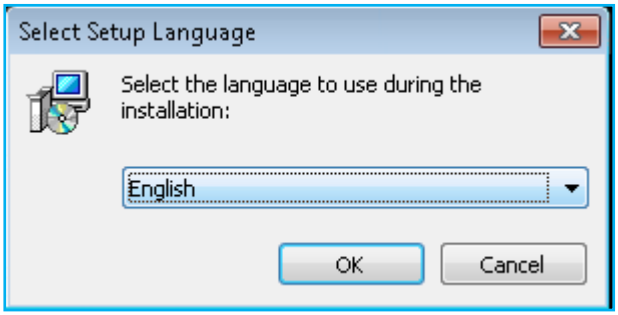
CHAPTER 1: KOPA CAM

SOFTWARE INSTALLATION AND DEVICE CONNECTION

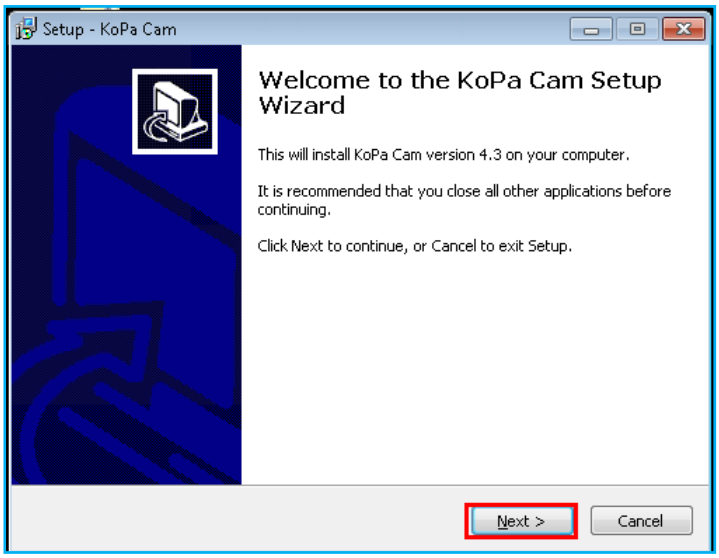
1.1 SOFTWARE INSTALLATION

Step1: Start your computer and insert the installation disc into the DVD driver.

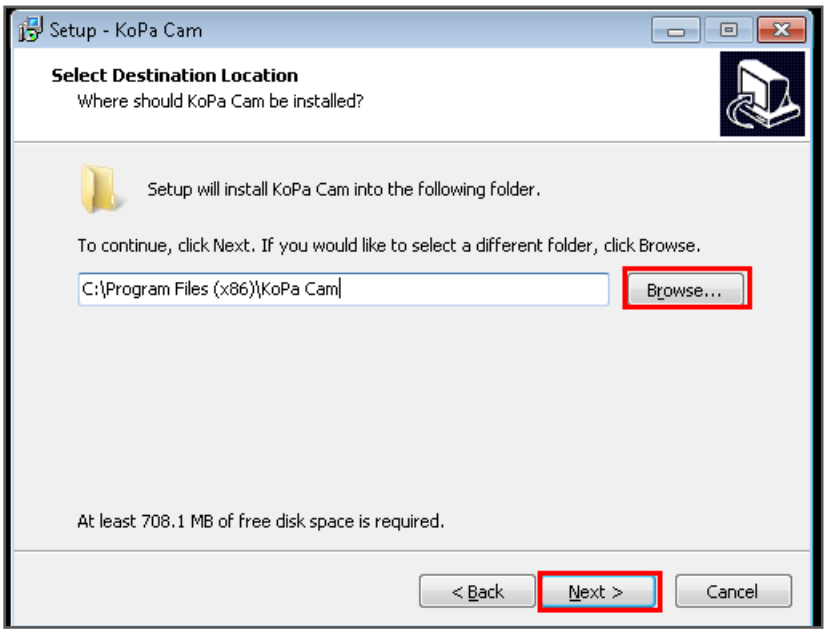
Step2: Double-click the file “KoPa Cam Install ”under the disc content. When the following window is displayed, please choose the installation language and press OK ”button.



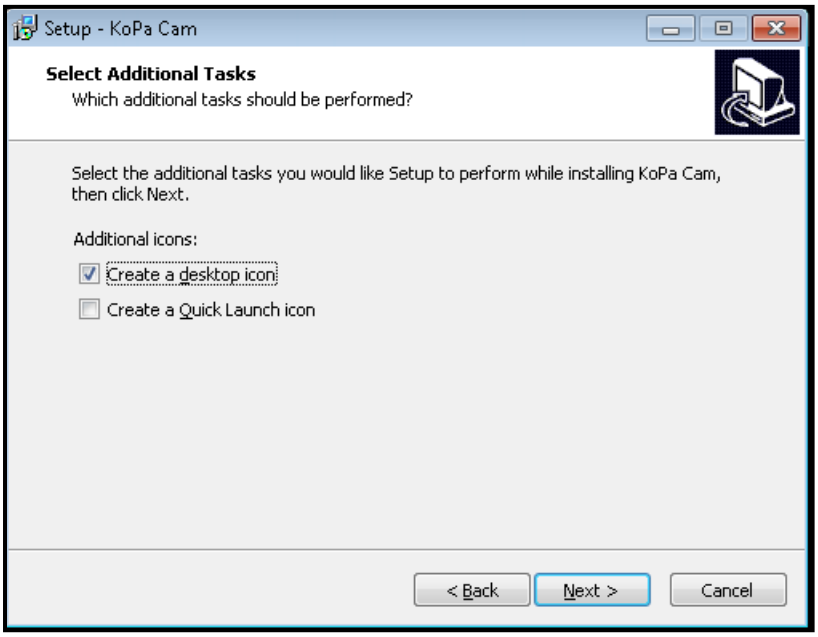
Step3: When the window “Welcome to use KoPa Cam installation guide” is displayed, please click “ Next > ”button.


Setup - KoPa Cam
Welcome to the KoPa Cam Setup Wizard
This will install KoPa Cam version 4.3 on your computer.
It is recommended that you close all other applications before continuing.
Click Next to continue, or Cancel to exit Setup.
Next >
Cancel

Step4: When the window “Select target location” is displayed, please click “Browse” to choose the installation file path. Please click Next > to continue.

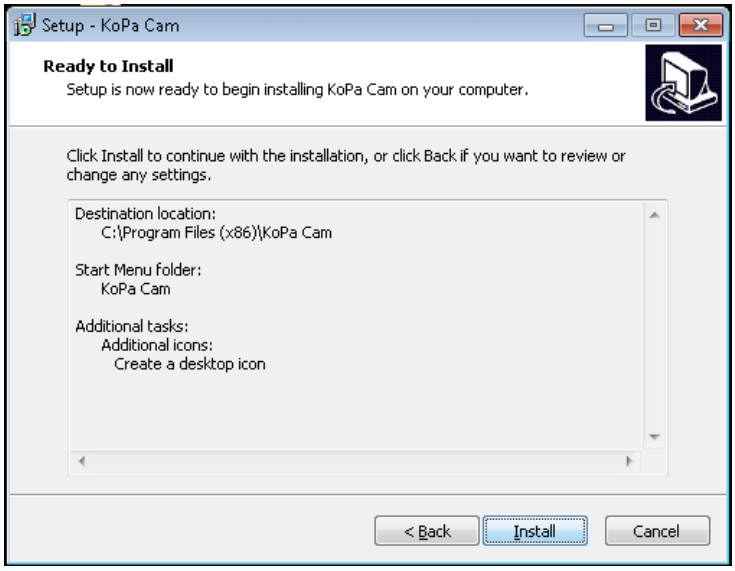

Setup - KoPa Cam
Select Destination Location
Where should KoPa Cam be installed?
Setup will install KoPa Cam into the following folder.
To continue, click Next. If you would like to select a different folder, click Browse.
C:\Program Files (x86)\KoPa Cam
Browse...
At least 708.1 MB of free disk space is required.
< Back
Next >
Cancel

Step5: When the following window is displayed, please select your desired shortcut and then click Next >.


Setup - KoPa Cam
Select Additional Tasks
Which additional tasks should be performed?
Select the additional tasks you would like Setup to perform while installing KoPa Cam, then click Next.
Additional icons:
Create a desktop icon
Create a Quick Launch icon
< Back
Next >
Cancel

Step6: Confirm the “Target location” of the software installation and information. Then click

button.

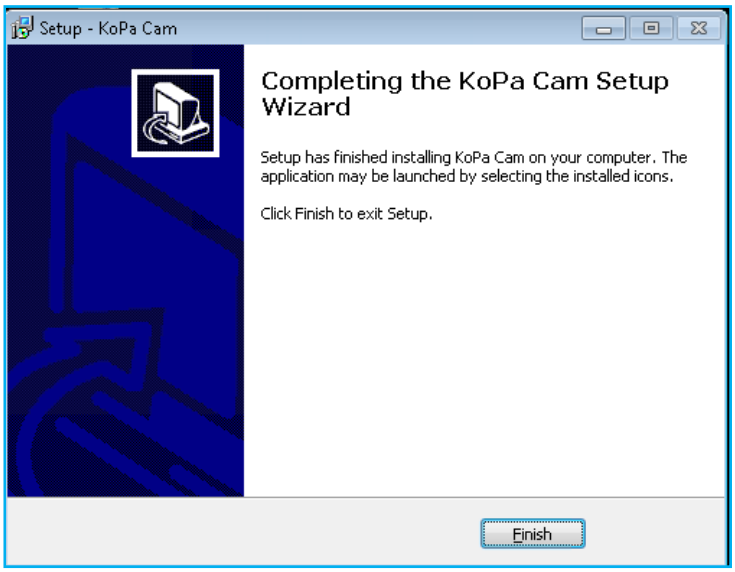

Setup - KoPa Cam
Ready to Install
Setup is now ready to begin installing KoPa Cam on your computer.
Click Install to continue with the installation, or click Back if you want to review or change any settings.
Destination location:
C:\Program Files (x86)\KoPa Cam
Start Menu folder:
KoPa Cam
Additional tasks:
Additional icons:
Create a desktop icon
< Back
Install
Cancel

Step7: During the installation, the installation progress bar will display. If installation is delayed, please check your firewalls and antivirus software as they may interfere with installation

Step8: Click

to finish the installation. After closing the window, please check the KoPa Cam icon

on your desktop. If you cannot find the icon, please find it from “Start” → “All programs”.


Setup - KoPa Cam
Completing the KoPa Cam Setup Wizard
Setup has finished installing KoPa Cam on your computer. The application may be launched by selecting the installed icons.
Click Finish to exit Setup.
Finish

1.2 WIRED DEVICE CONNECTION

1.2.1Connect the camera’s USB cable to your computer. The system will display “Find new hardware” window and finish the driver installation automatically.

1.2.2Run “KoPa Cam” software through shortcut on the desktop or from “Start” → “All programs”.

Note 1: Before you use “KoPa Cam” software,please confirm that the device has been connected to the USB port of the computer. Otherwise, only Doc can be operated and Preview and Video will fail to run.

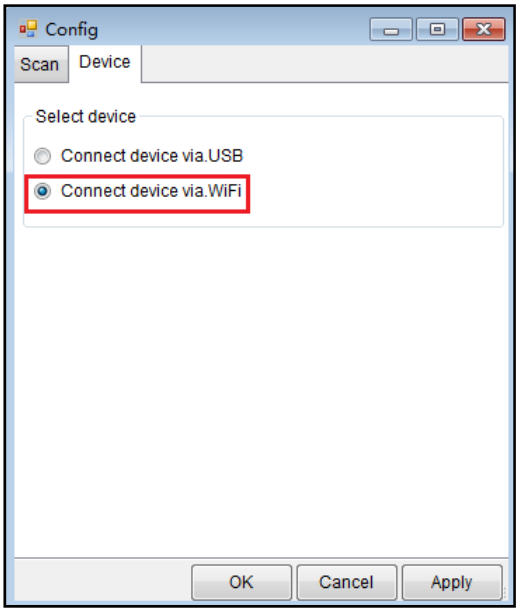
Note 2: For multiple USB ports, if you insert the device into the port for the first time, the system will automatically complete the driver installation for the USB port.

Note3: We recommend you close KoPa Cam software PRIOR to removing the USB cable from your computer.

1.3 WIRELESS DEVICE CONNECTION

Detailed instructions for using the WiFi connection and KoPa Vision App are contained in the respective Android and iOS Manuals.

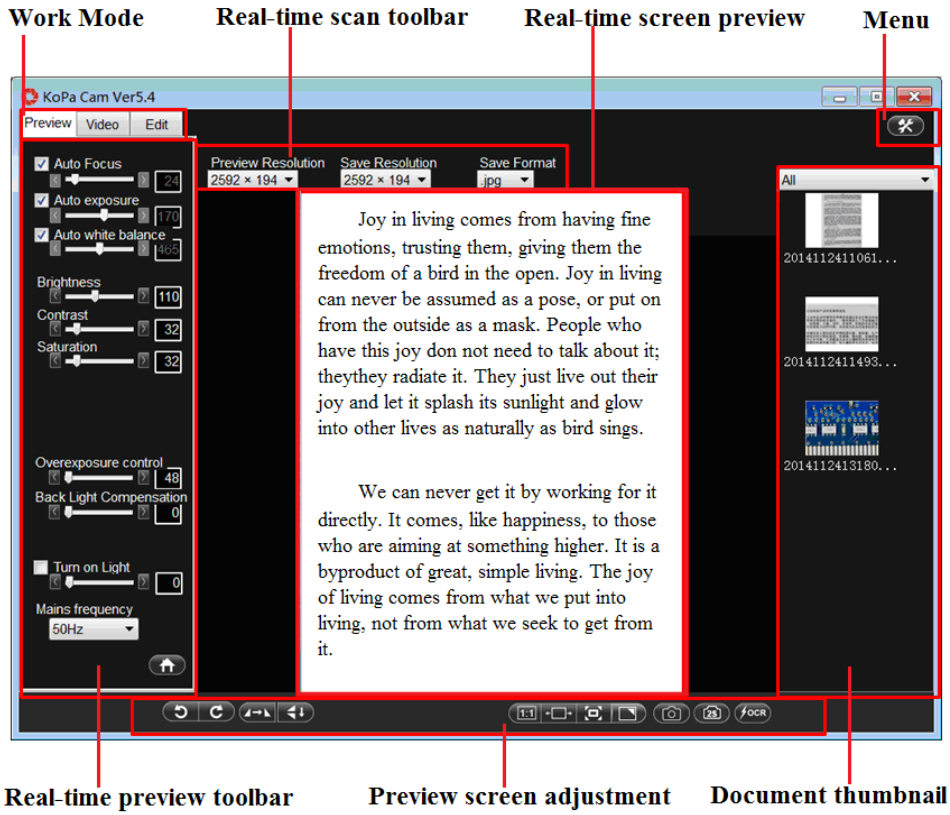
On your computer, select the “Wireless Device Connection” option of the “Device” in the advanced settings, and restart the software as below：



Note: In WiFi mode, some functions may not be used.

CHAPTER 2: SCAN

2.1 SOFTWARE OPERATION INTERFACE AND INSTRUCTION

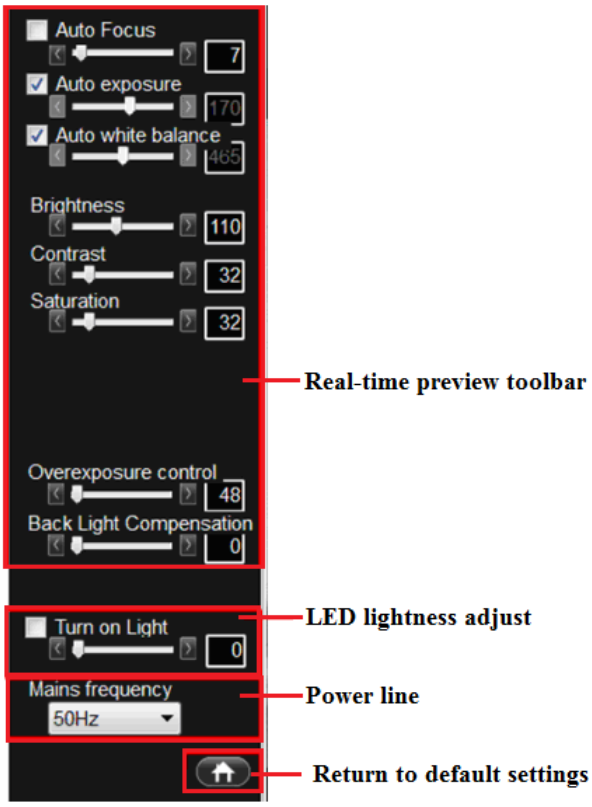

Work Mode
Real-time scan toolbar
Real-time screen preview
Menu
KoPa Cam Ver5.4
Preview
Video
Edit
Auto Focus
Auto exposure
Auto white balance
Brightness
Contrast
Saturation
Overexposure control
Back Light Compensation
Turn on Light
Mains frequency
50Hz
Preview Resolution
2592 × 194
Save Resolution
2592 × 194
Save Format
jpg
Joy in living comes from having fine emotions, trusting them, giving them the freedom of a bird in the open. Joy in living can never be assumed as a pose, or put on from the outside as a mask. People who have this joy don not need to talk about it; theythey radiate it. They just live out their joy and let it splash its sunlight and glow into other lives as naturally as bird sings.
We can never get it by working for it directly. It comes, like happiness, to those who are aiming at something higher. It is a byproduct of great, simple living. The joy of living comes from what we put into living, not from what we seek to get from it.
All
Real-time preview toolbar
Preview screen adjustment
Document thumbnail

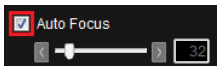
2.2 SCAN WORK MODE

Open KoPa Cam program, the default work mode of the program is “Scan” and the software operation interface is displayed as above.

2.3 REAL-TIME PREVIEW TOOLBAR

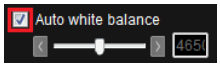
You can adjust the parameters, as needed.





Focus : Check the box to trigger Auto Focus the box or move the slider for manual focus.

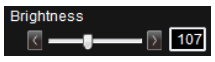
Exposure : Check the box for auto exposure or use the slider for manual exposure.



Automatic White Balance : Check the box for auto white balanceor use the slider for manual white balance.

Note: The colors may seem abnormal taking a photo rich in colors. You need to manually calibrate the auto white balance.

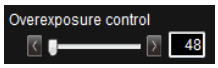
Place a sheet of white paper under the microscope. Uncheck the auto white balance box, wait for the camera to adjust to neutral grey or white and then recheck the box. Once adjusted, uncheck the box a final time.



Lightness Adjustment : Use the slider to adjust lightness. Best used in conjunction with Contrast adjustment.

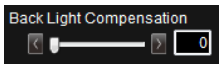
Contrast Adjustment : Use the slider to adjust contrast. Best used in conjunction with lightness adjustment.

Saturation Adjustment : Use the slider to adjust color saturation



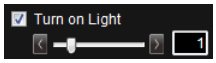
Overexposure Control : Use the slider to adjust the brightness of the Preview when working in strong light conditions.

Note: Some KoPa cameras do not support this function.



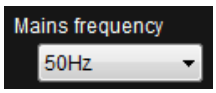
Backlight Compensation : Use the slider to adjust the backlight in the Preview mode.

Note: Some KoPa cameras do not support this function.



LED Illumination : There are six lighting levels. Check the box for Level 1and then use the slider to adjust. LED lights will automatically turn off if the box is unchecked.

Note: Some KoPa models do not support his function.



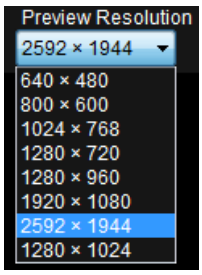
Power Line Adjustment : Use this function to ensure the device and current voltage are the same frequency in order to reduce the “ripple” interference effect on the preview screen.

Note: The frequency of the power supply currently supports 50/60Hz, Please select according to the respective national power frequency.

Return to default settings : Click to reset to the default factory settings.

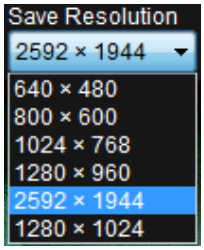
2.4 Real-time Scan Toolbar

Real-time scan toolbar contains three parts: preview resolution, photograph save resolution, photograph save format.

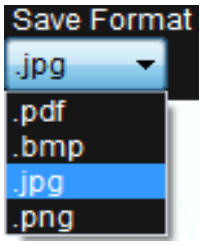


Preview Resolution ： Select as desired.

Note: The higher the resolution, the lower the frame rate.

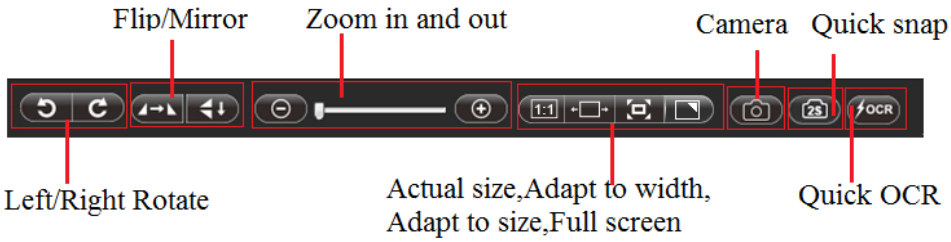


Save Resolution ： This option is used to select the saved the photo resolution. The ratios of preview resolution and preservation resolution are consistent. When the preview resolution ratio is 4:3, the preservation resolution only supports the resolution selection of 4:3, i.e. the default maximum of preservation resolution is 2592×1944. When the preview resolution is 16:9, the preservation resolution only supports the resolution selection of 16:9, i.e. the default preservation resolution is 1280×720.

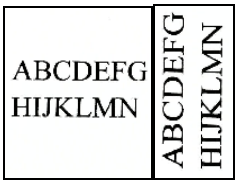


Save Format ： Select from 4 image formats: .pdf, .bmp, .jpg (default) and .png

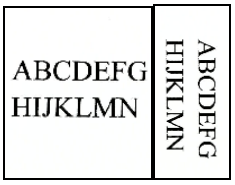
2.5 Preview Screen Adjustment



Left 90°Rotate ： Click the left 90°Rotate button to rotate the image as shown below:

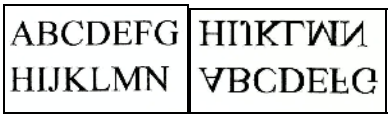


Right 90°Rotate ： Click the right 90°Rotate button to adjust the image direction as shown below:

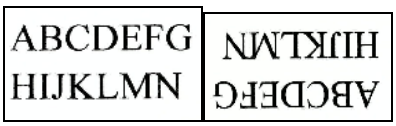


Mirror ： Click the mirror button to adjust adjust the image as shown below:

Flip ： Click the flip button adjust the image as shown below:



Preview image contrast by flip + mirror image (equal to 180°flip of image).



Zoom out ： Under the lower preview resolutions of 640×480, 800×600 and 1024×768, click “Zoom out” button or directly click the scroll bar with the mouse to achieve the reduction of the preview screen.

Note: Zoom only functions at these lower preview resolutions.

Zoom in ： Under preview resolution of 640×480, 800×600 and 1024×768, click “Zoom in” button or directly click the scroll bar with the mouse to achieve the magnification of the preview screen.

Note: Zoom only functions at these lower preview resolutions.

Actual Size (1:1) ： Click on the button to enlarge the image to actual size.

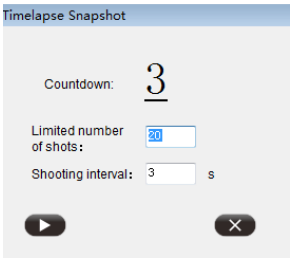
Adapt to width ： Click on the button to adjust the image size to your application window.

Adapt to Screen ： Click on the button to shrink the image to your screen. If the image is smaller, it will display actual size.

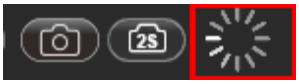
Full Screen ： Click on the button for full screen display. Click ESC to exit full screen display.

Camera ： Click the scan button to scan the image displayed in the preview window.

Time Lapse ： Click the button for time lapse photography. Then select the number of shots and intervals. Then Start ,as shown below:



Quick OCR ： If you want to process quick OCR function, please Click scan button to export the picture displayed in the preview window to document. Open it, as shown below:



When the wait icon is displayed, quick OCR scan is running.

When the icon restores default, quick OCR scan has finished and the scanned document will open.

The default save path of the document is:

…\My Documents\Ostec\KoPa Cam\OCR

Note 1: You can modify the Save path of the video. Please refer to 5.2.

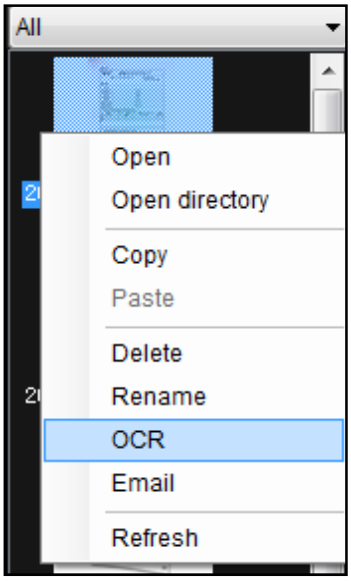
Note 2: Ensure the OCR and interface language are the same when using “fast OCR”.

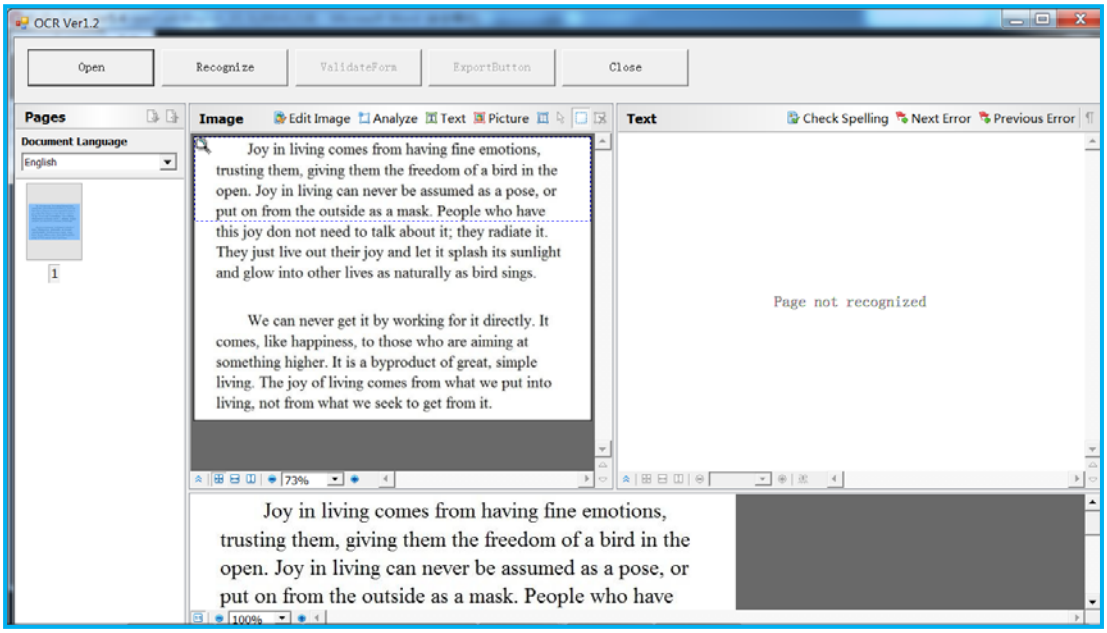
Please use the “OCR” function when you need to modify the files.

Note 3： When using “quick OCR”, the OCR cannot recognize rotary characters.

The OCR operation is as follows:

Step 1: Photograph the file for OCR recognition, right click thumbnail of the file, choose“OCR” to enter OCR interface.



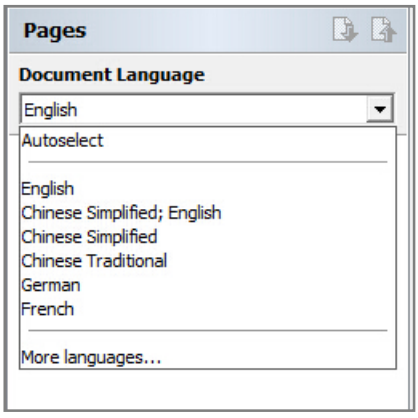

OCR Ver1.2
Open
Recognize
ValidateForm
ExportButton
Close
Pages
Document Language
English
1
Image
Edit Image
Analyze
Text
Picture
Joy in living comes from having fine emotions, trusting them, giving them the freedom of a bird in the open. Joy in living can never be assumed as a pose, or put on from the outside as a mask. People who have this joy don not need to talk about it; they radiate it. They just live out their joy and let it splash its sunlight and glow into other lives as naturally as bird sings.
We can never get it by working for it directly. It comes, like happiness, to those who are aiming at something higher. It is a byproduct of great, simple living. The joy of living comes from what we put into living, not from what we seek to get from it.
73%
Text
Check Spelling
Next Error
Previous Error
Page not recognized
Joy in living comes from having fine emotions, trusting them, giving them the freedom of a bird in the open. Joy in living can never be assumed as a pose, or put on from the outside as a mask. People who have
100%

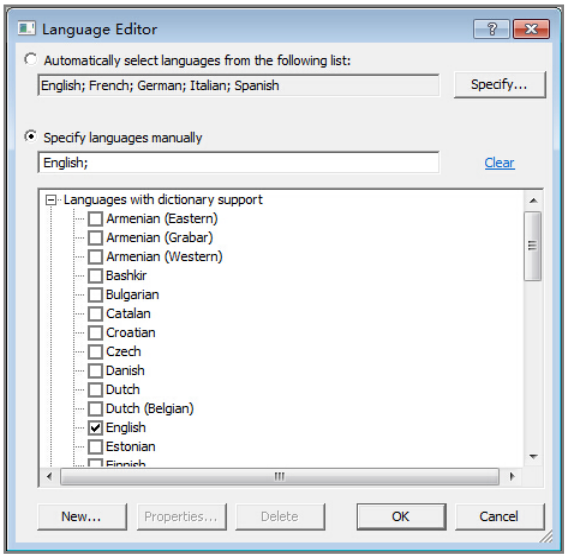
Step 2: Choose the language for OCR interface or click More languages for selecting more languages. Check the required language, check after clicking "ok"

Tips1： “Quick OCR” is only available when the language of the file for OCR corresponds with the interface language. If you fails to find the corresponding language on the software interface, you need to choose “OCR” for recognition.

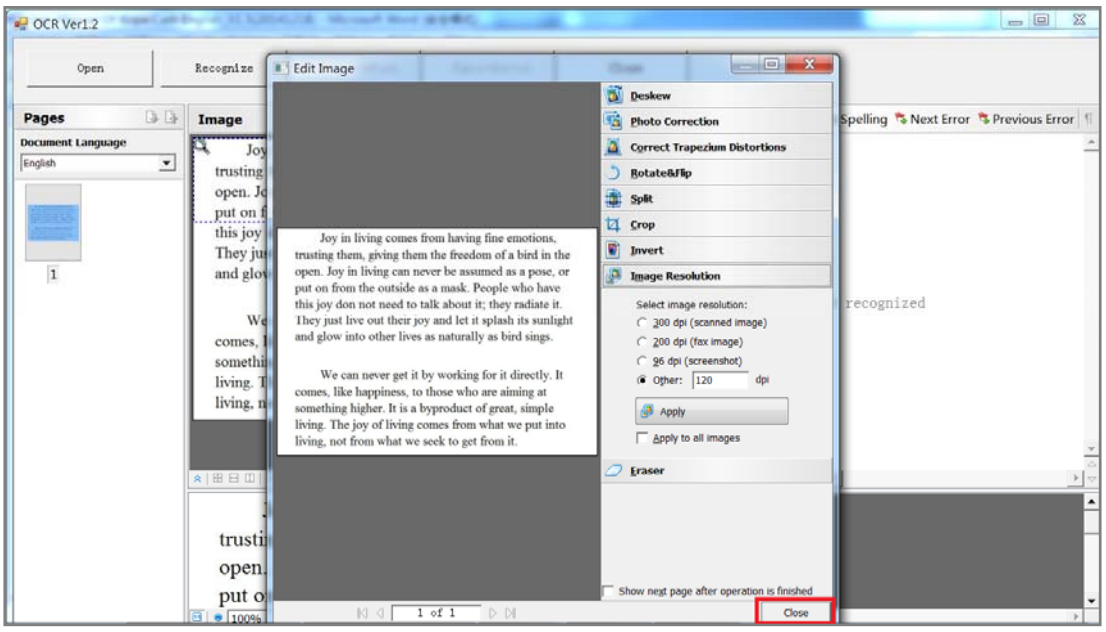
Tips 2： “OCR” supports 168 languages from different countries.

Tips 3： The current software language is OCR’s recognition language. When the recognition language corresponds with the current document language, the character recognition function of OCR can perform at its best.

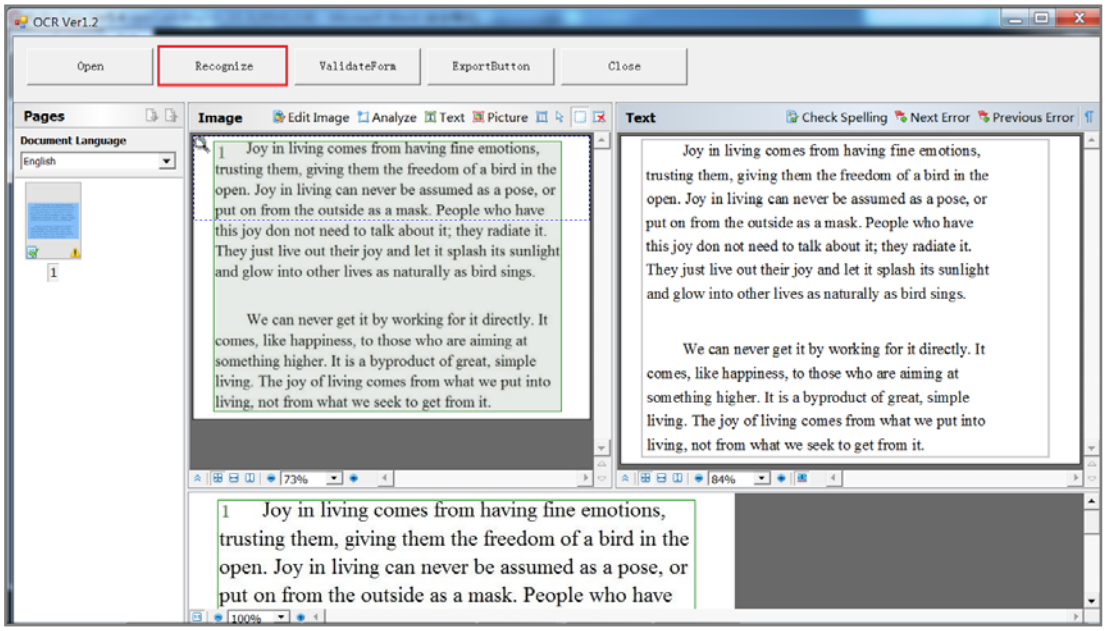




Step 3: Click “Edit Image” to adjust the direction of character and editing operation. After editing click "close" to save and exit.

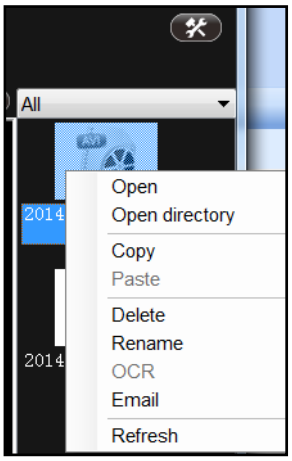

OCR Ver1.2
Open
Recognize
Edit Image
Pages
Document Language
English
Image
Deskew
Photo Correction
Correct Trapezium Distortions
Rotate&Flip
Split
Crop
Invert
Image Resolution
Select image resolution:
300 dpi (scanned image)
200 dpi (fax image)
96 dpi (screenshot)
Other: 120 dpi
Apply
Apply to all images
Eraser
Joy in living comes from having fine emotions, trusting them, giving them the freedom of a bird in the open. Joy in living can never be assumed as a pose, or put on from the outside as a mask. People who have this joy don not need to talk about it; they radiate it. They just live out their joy and let it splash its sunlight and glow into other lives as naturally as bird sings.
We can never get it by working for it directly. It comes, like happiness, to those who are aiming at something higher. It is a byproduct of great, simple living. The joy of living comes from what we put into living, not from what we seek to get from it.
1 of 1
Show next page after operation is finished
Close
Spelling
Next Error
Previous Error
recognized

Step4: Click “Recognize ” To identify the contents of the file.


OCR Ver1.2
Open
Recognize
ValidateForm
ExportButton
Close
Pages
Document Language
English
Image
Edit Image
Analyze
Text
Picture
Text
Check Spelling
Next Error
Previous Error
1 Joy in living comes from having fine emotions, trusting them, giving them the freedom of a bird in the open. Joy in living can never be assumed as a pose, or put on from the outside as a mask. People who have this joy don not need to talk about it; they radiate it. They just live out their joy and let it splash its sunlight and glow into other lives as naturally as bird sings.
We can never get it by working for it directly. It comes, like happiness, to those who are aiming at something higher. It is a byproduct of great, simple living. The joy of living comes from what we put into living, not from what we seek to get from it.
73%
84%
100%

2.6 DOCUMENT THUMBNAIL FRAME

In "document thumbnail frame", right click to open the image, Open the image directory, and select the desired action: copy,paste, rename, delete the corresponding treatment.



The default save path of the Document is:

…\MyDocuments\KoPa Cam\picture

…\MyDocuments\KoPa Cam\pdf

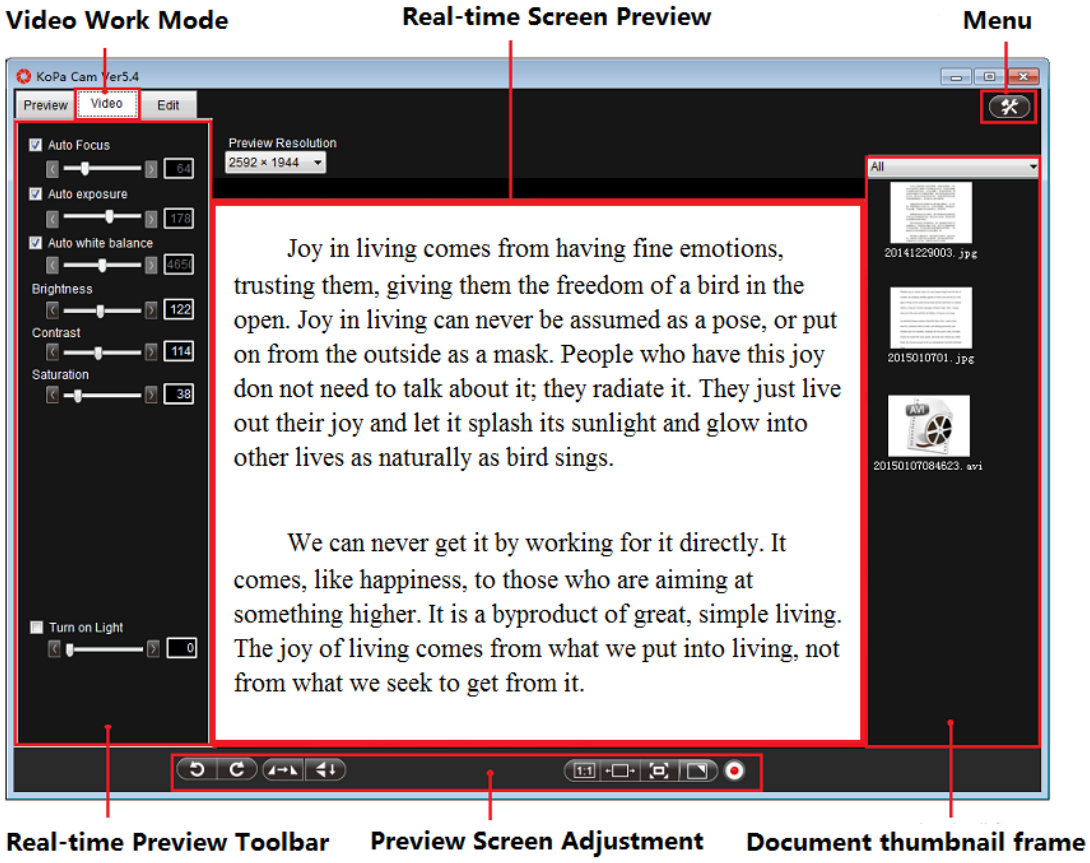
Note: You can modify the Save path of the video. Please refer to 5.2

CHAPTER 3: VIDEO

3.1 VIDEO WORK MODE

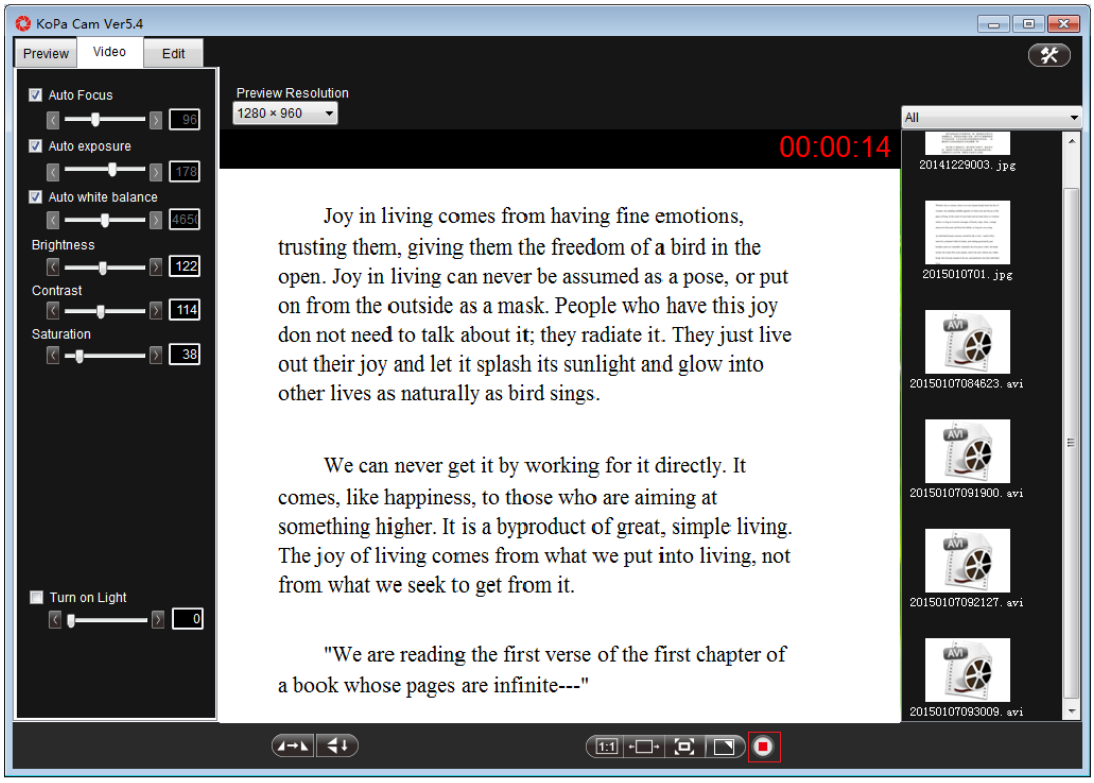
When you click Video, enter the video page. The following diagram:

Note: Please refer to instructions 2.3, 2.4, 2.5above.

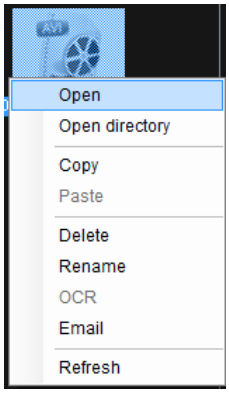

Video Work Mode
Real-time Screen Preview
Menu
KoPa Cam Ver5.4
Preview
Video
Edit
Auto Focus
Auto exposure
Auto white balance
Brightness
Contrast
Saturation
Turn on Light
Preview Resolution
2592 × 1944
All
20141229003. jpg
2015010701. jpg
20150107084623. avi
Joy in living comes from having fine emotions, trusting them, giving them the freedom of a bird in the open. Joy in living can never be assumed as a pose, or put on from the outside as a mask. People who have this joy don not need to talk about it; they radiate it. They just live out their joy and let it splash its sunlight and glow into other lives as naturally as bird sings.
We can never get it by working for it directly. It comes, like happiness, to those who are aiming at something higher. It is a byproduct of great, simple living. The joy of living comes from what we put into living, not from what we seek to get from it.
Real-time Preview Toolbar
Preview Screen Adjustment
Document thumbnail frame

Click the button to record a video of the image displayed in the preview window.

Click the button to stop the video.


KoPa Cam Ver5.4
Preview
Video
Edit
Auto Focus
96
Auto exposure
178
Auto white balance
4650
Brightness
122
Contrast
114
Saturation
38
Turn on Light
0
Preview Resolution
1280 × 960
00:00:14
Joy in living comes from having fine emotions, trusting them, giving them the freedom of a bird in the open. Joy in living can never be assumed as a pose, or put on from the outside as a mask. People who have this joy don not need to talk about it; they radiate it. They just live out their joy and let it splash its sunlight and glow into other lives as naturally as bird sings.
We can never get it by working for it directly. It comes, like happiness, to those who are aiming at something higher. It is a byproduct of great, simple living. The joy of living comes from what we put into living, not from what we seek to get from it.
"We are reading the first verse of the first chapter of a book whose pages are infinite---"
All
20141229003.jpg
2015010701.jpg
20150107084623.avi
20150107091900.avi
20150107092127.avi
20150107093009.avi

You can open, copy, paste, delete, and rename the film, and open the catalog of the film in the “document thumbnail box”.



3.2 SAVE VIDEO

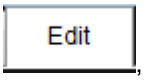
The default save path of the video is:

…\My Documents\Ostec\KoPa Cam\video

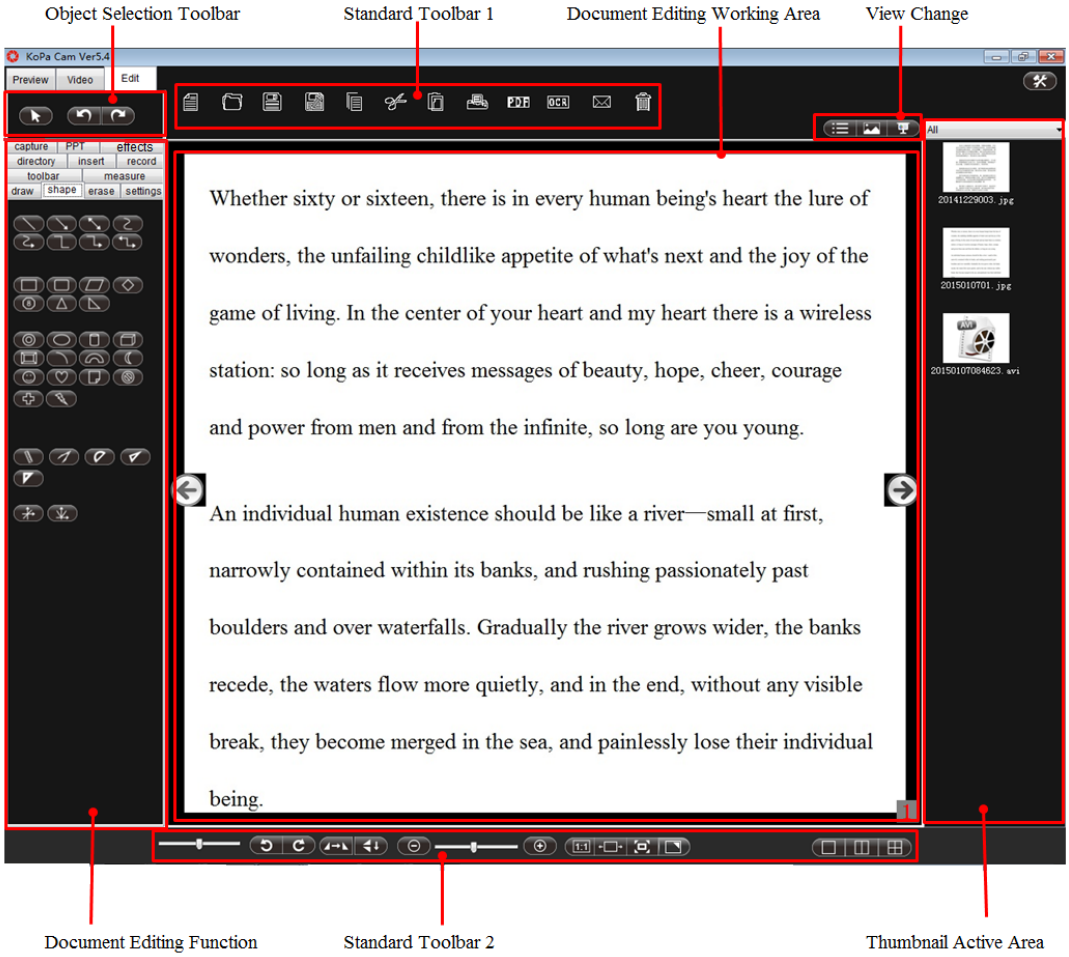
Note: You can modify the Save path of the video. Please refer to 5.2

CHAPTER 4: DOCUMENT EDITING

4.1 INTERFACE INSTRUCTION

When you click 

, the following interface will appear:


Object Selection Toolbar
Standard Toolbar 1
Document Editing Working Area
View Change
KoPa Cam Ver5.4
Preview
Video
Edit
capture
PPT
effects
directory
insert
record
toolbar
measure
draw
shape
erase
settings
Whether sixty or sixteen, there is in every human being's heart the lure of wonders, the unfailing childlike appetite of what's next and the joy of the game of living. In the center of your heart and my heart there is a wireless station: so long as it receives messages of beauty, hope, cheer, courage and power from men and from the infinite, so long are you young.
An individual human existence should be like a river—small at first, narrowly contained within its banks, and rushing passionately past boulders and over waterfalls. Gradually the river grows wider, the banks recede, the waters flow more quietly, and in the end, without any visible break, they become merged in the sea, and painlessly lose their individual being.
Document Editing Function
Standard Toolbar 2
Thumbnail Active Area

4.1.1 OBJECT SELECTION TOOLBAR

	Object Selection Function	:	Click this button to select any operation.
	Undo, Redo Function	:	Click this button to make undo the last step or redo the next step" operation.

4.1.2 STANDARD TOOLBAR 1

	New	:	Create a new blank picture.
	Open	:	Open, import picture.
	Save	:	To save the image.
	Save as	:	Save as a picture.
	Copy	:	Copy the selected object.
	Cut	:	Cut the selected object.
	Paste	:	Paste the selected object
	Print	:	Print picture.
	PDF	:	Convert PDF to save.
	OCR	:	Start the OCR recognition.
	Send email	:	Select the file to send mail.
	Delete	:	Delete the current picture.

4.1.3 STANDARD TOOLBAR2

	Arbitrary rotation angle function	:	Click and drag the scroll bar, to rotate the image in minimum steps of 1 degree.
	Rotate function	:	Click on this button to rotate 90 degrees clockwise or anticlockwise.

Mirror Image and Flip function ： Click to mirror or flip the image.

Zoom out、Zoom in function ： Click this button to enlarge or shrink the picture.

Image display function ： Click left to right for: Display actual image size, format to width, format to screen or full screen.

Multiple screen switching function ： Click on the one-split-screen button, the two-split-screen button, and the four-split-screen to display one image, two images, and four images respectively.

Click on one image, the number of the selected picture will turn red. Double click the thumbnail to insert the red number into inserted into the window.

Synchronization screens function ： Click. After two minutes, screen splits into four

4.1.4 VIEW CHANGE COLUMN

Detail information ： Click to display as a list.

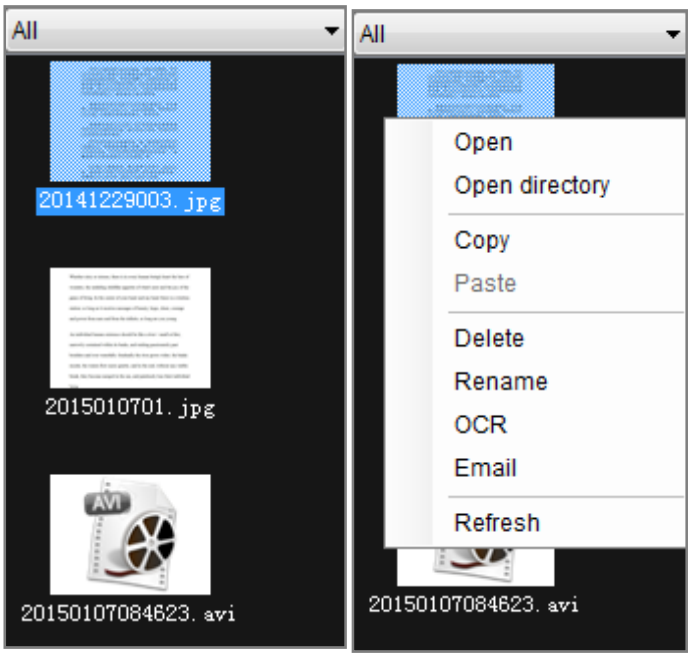
Thumbnail ： Click to display as thumbnails.

Slide show ： Click to play a slide show..

4.1.5 THUMBNAIL ACTIVE AREA

① When you select List Display, double-click an image to load it into the “document editing work area”.

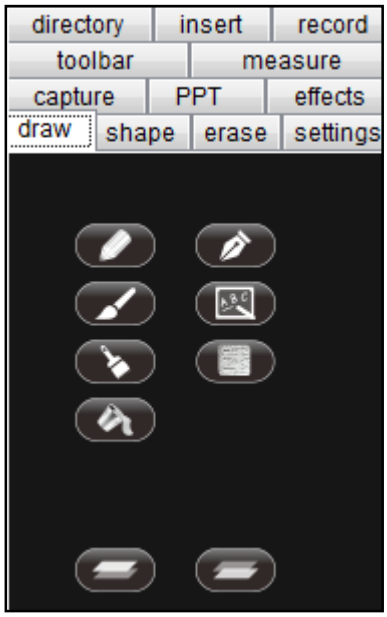
② When you select picture List Display, right-click on an image for the following menu:



4.2 Document Editing Function

4.2.1 "Drawing" Function

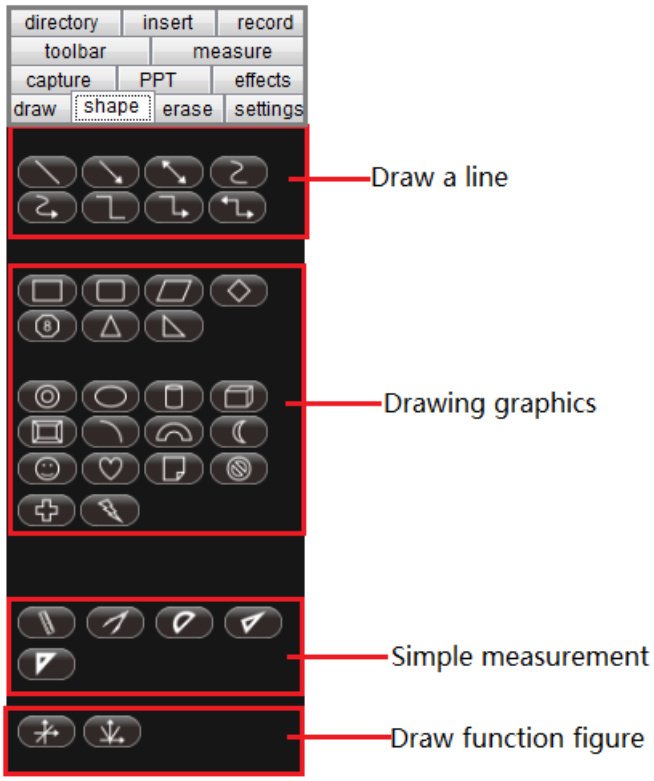
Click on a selected button for different drawing functions:



	Pencil	:	Pencil drawing.
	Pen	:	Pen drawing.
	Fine brush	:	Fine brush drawing.
	Chalk	:	Chalk drawing .
	Thick Brush	:	Thick Brush drawing .
	Texture pen	:	Texture pen drawing.
	Fill	:	Paint fill.
	Layer up	:	Shifts the selected objects up a level.
	Layer down	:	Shifts the selected objects down a level.

4.2.2 "SHAPE" FUNCTION

Click on the corresponding button to draw various lines and graphics in the document editing work area.



4.2.2.1 DRAW A LINE

Click on the corresponding button to draw various lines in the document editing work area.

.

	Straight line	:	Draw a straight line.
	Line with single arrow	:	Draw a single arrow straight.
	Line with double arrow	:	Draw the double arrow straight.
	Curve	:	Draw a curve.

	Curve with arrow	:	Draw a curved arrow.
	Polyline	:	Draw a polyline.
	Polyline with single arrow	:	Draw a single arrow Polyline.
	Polyline with double arrow	:	Draw a double arrow Polyline.

4.2.2.2 DRAWING GRAPHICS

Click on the relevant button to draw various graphics in the document editing work area.

	Rectangle	:	Draw a rectangle.
	Round rectangle	:	Draw a rounded rectangle.
	Parallelogram	:	Draw a parallelogram.
	Rhombus	:	Draw a rhombus.
	Octagonal	:	Draw a polygon.
	Isosceles triangle	:	Draw an isosceles triangle.
	Orthogonal triangle	:	Draw a right angled triangle.
	Concentric circles	:	Draw concentric circles.
	Ellipse	:	Draw an ellipse.
	Cylinder	:	Draw a cylinder.
	Cube	:	Draw a cube.

	Truncated pyramid	:	Draw a prism.
	Arc	:	Draw an arc.
	Hollow arc	:	Draw a hollow arc.
	Moon	:	Draw a moon.
	Smiling face	:	Draw a smiling face.
	Heart-shaped	:	Draw a heart.
	Break angle;dog-ear	:	Painting angle.
	Prohibited Symbol	:	Draw a ‘Prohibited’ symbol.
	Cross	:	Draw a cross
	Lightning	:	Draw a lightning symbol.

4.2.2.3 SIMPLE MEASUREMENT

	Straight edge	:	Ruler measurement.
	Compass	:	Compass measurement.
	Protractor	:	Angle measurement
	30°triangle	:	30 degree triangle measurement.
	45°triangle	:	45 degree triangle measurement.

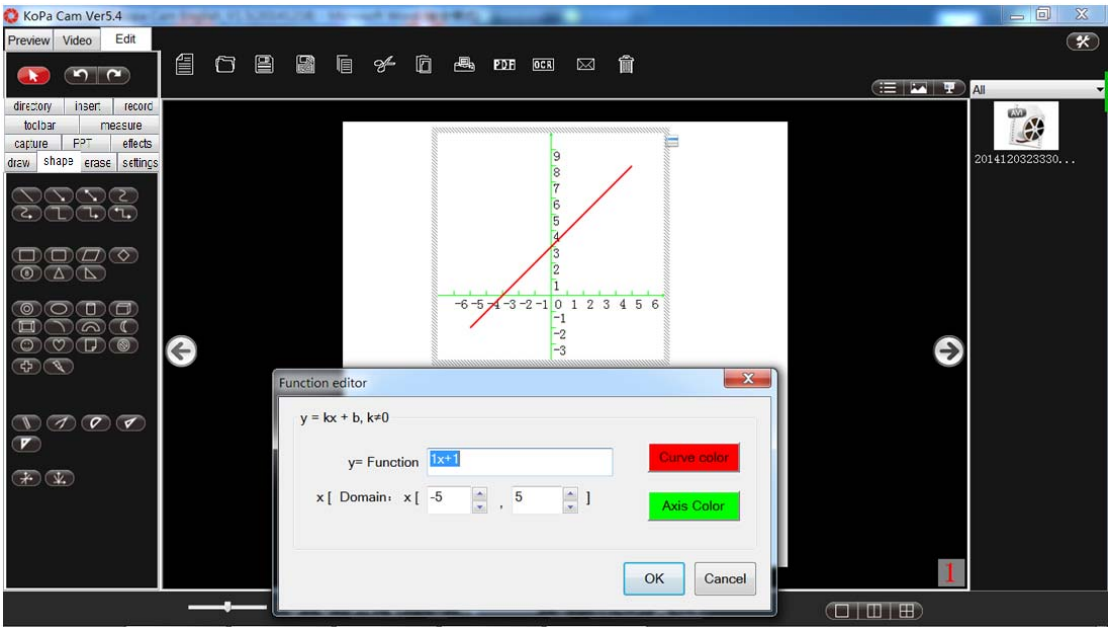
Note: Please calibrate the camera for more accurate measurements. See 4.2.10.

4.2.2.4 DRAW FUNCTION FIGURE

Linear function : Click on the linear function button and a graph will display. Double click in the editing area. Use the function editor as required.

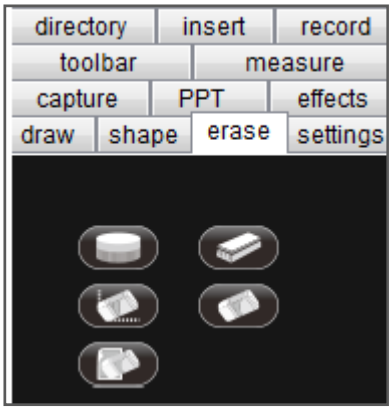
Absolute value function : As above.

Display example:



4.2.3 "ERASE/WIPE" FUNCTION

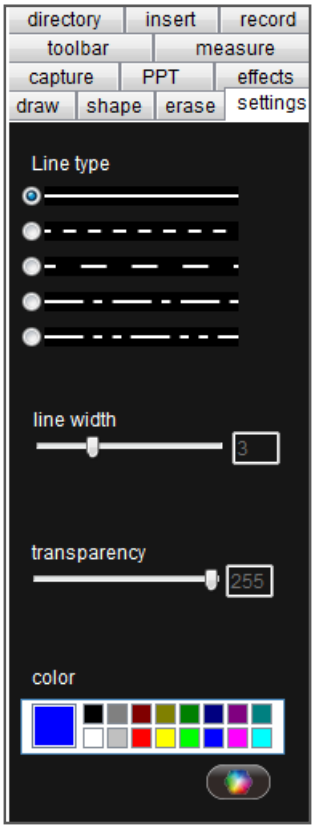
This function provides different erase functions, such as circular erase, object erase and erase all etc.

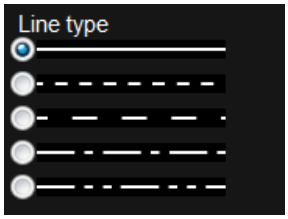


	Round erase	:	Draw a circular area to erase.
	Random erase	:	Erases wherever you guide the eraser.
	Selection erase	:	Draw a rectangle to erase.
	Specific	:	Erase specific selected areas.
	Erase all	:	Erases everything.

4.2.4"SETTINGS" FUNCTION

If you are going to draw custom lines and graphs, please click on the settings button, first This includes setting the line type, the line width, the transparency, and colors of graphs in the "drawing function" and in the "shape function".





Line type setting : Line type setting: There are five line types to choose.

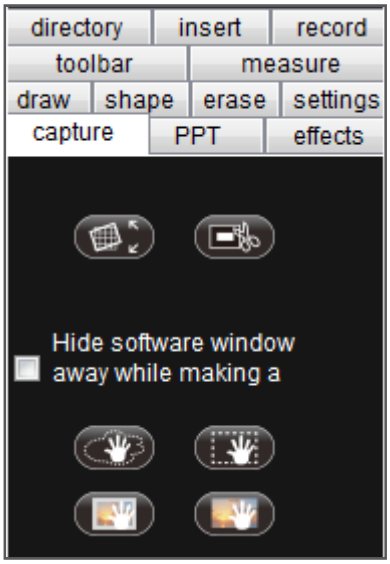
Line width setting : Line width setting: You can drag the scroll bar or input values manually to set the line width.

Line transparency setting : Line transparency setting: You can drag the scroll bar or input values manually to set the transparency of lines.

Line color setting : Line color setting: You can set the colors of lines.

4.2.5"SCREENSHOT"FUNCTION

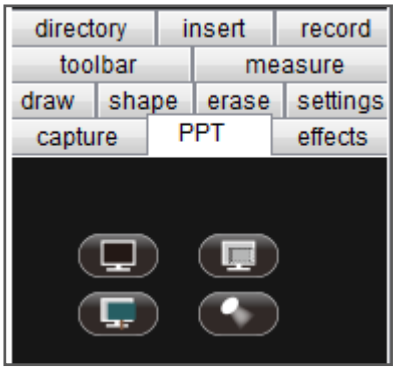
This function provides different screenshot functions to insert the captured picture into the document editing area.



	Clip	:	Cut the rectangular area drawn.
	Send screenshot to clipboard	:	Take a screen shot to the clipboard: Cut the square area drawn to the clipboard.
	Random screenshot	:	Arbitrary screen shot: Take a screen shot of the arbitrary area drawn.
	Rectangle screenshot	:	Rectangular screen shot: Take a screen shot of the rectangular area drawn.
	Screenshot window	:	Window screen shot:Take a screen shot of the window area.
	Print screen	:	Screen shot: Take a screen shot of the whole screen.

4.2.6 "SLIDE" FUNCTION

.



Blackout : Blacks out the entire screen.

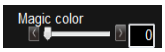
Highlight screen : Highlights selected areas.

Cover screen : Partially covers screen for later display.

Spotlight : Select different spotlight effects.

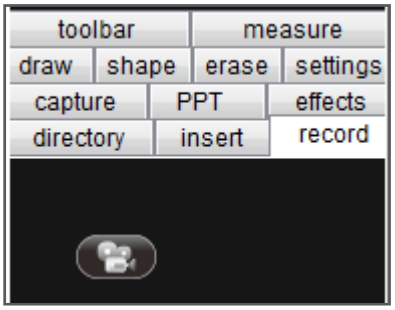
4.2.7 "SPECIAL EFFECT" FUNCTION

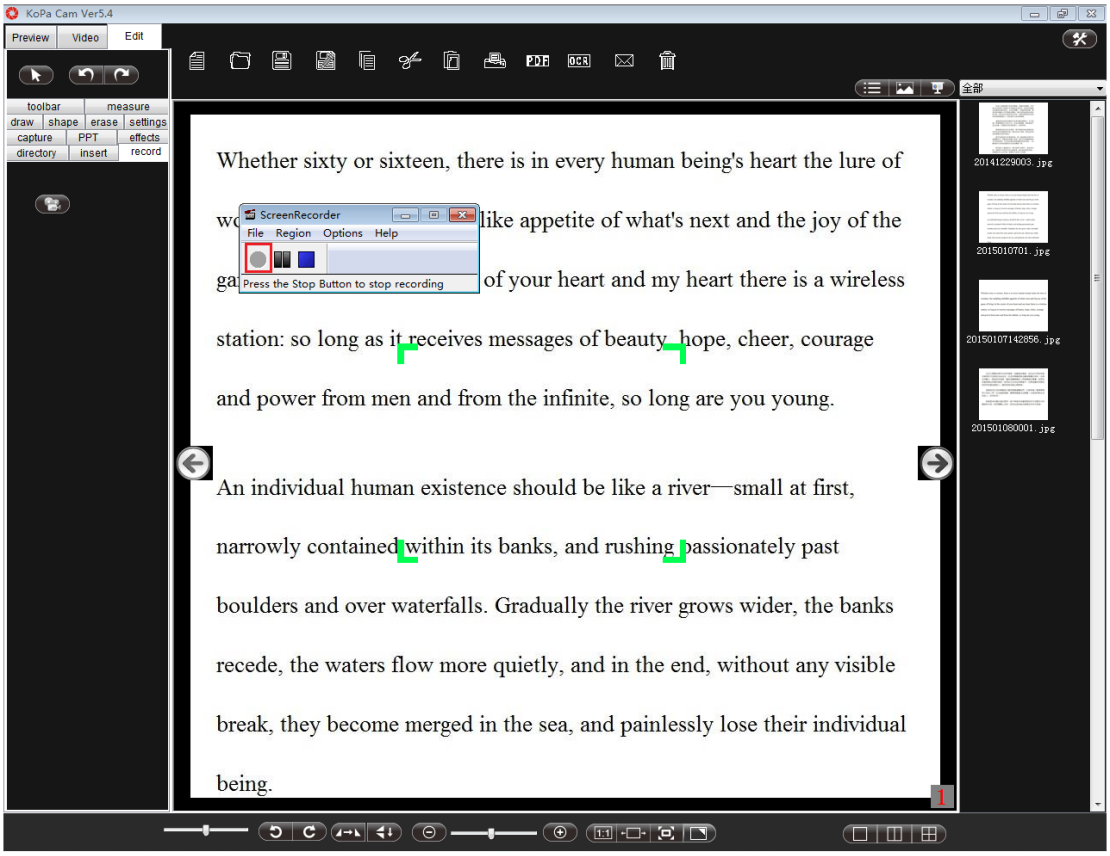
This function adds various special effects such as "monochrome effect" and "grey effect" etc.

	Invert effect	:	Inverts color effects.
	Monochrome effect	:	Turns image monochrome..
	Grey effect	:	Adjusts Grey tones.
	Add shadows effect	:	Add shadows.
	Jitter effect	:	Creates a jitter effect.
	Relief effect	:	Creates a relief effect.
	Add noise effect	:	Add noise.
	Corrosion effect	:	The effect of corrosion on the image.
	Soften effect	:	Diffusion effect.
	Sharpen effect	:	Sharpens image.
	Red-eye correction	:	Reduces red eye
	Contour effect	:	The effect of image contour.
	Bulge effect	:	Expansion effect.
	Text Clarity	:	Cleans up text displays.
	Text enhancement	:	Improves text displays.

4.2.8 "RECORD SCREEN" FUNCTION

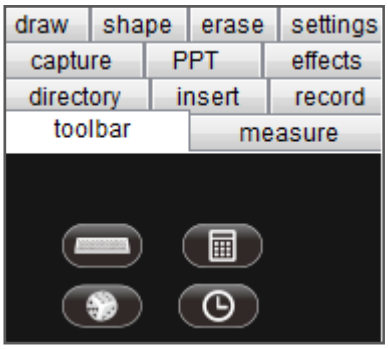
This function provides screen recording function.




KoPa Cam Ver5.4
Preview
Video
Edit
toolbar
measure
draw
shape
erase
settings
capture
PPT
effects
directory
insert
record
ScreenRecorder
File Region Options Help
Press the Stop Button to stop recording
Whether sixty or sixteen, there is in every human being's heart the lure of
like appetite of what's next and the joy of the
of your heart and my heart there is a wireless
station: so long as it receives messages of beauty, hope, cheer, courage
and power from men and from the infinite, so long are you young.
An individual human existence should be like a river—small at first,
narrowly contained within its banks, and rushing passionately past
boulders and over waterfalls. Gradually the river grows wider, the banks
recede, the waters flow more quietly, and in the end, without any visible
break, they become merged in the sea, and painlessly lose their individual
being.

4.2.9 "TOOL" FUNCTION

Provides various auxiliary software, such as "Screen keyboard", "Clock" and "Random number" etc. As shown below:



Keyboard : Click on the button, keyboard and display function.

Calculator : Click on the button, Display calculator function.

Random : Click on the button, display random function.

Clock : Click on the button, display the function of the clock.

4.2.10"MEASURE" FUNCTION

Note: For accurate measure, please set the calibration at first.

Measure line : Measure the line distance between two points.

Polyline line : Measure the perimeter.

Measure concentric circles : Measure the distance between the centers of two circles.

Measure arc : Measure the length of arcs.

Measure angle : Three point angle measure.

Angular measurement : Four point angle measure.

Rectangular measurement : Measure the perimeter and the square of rectangles.

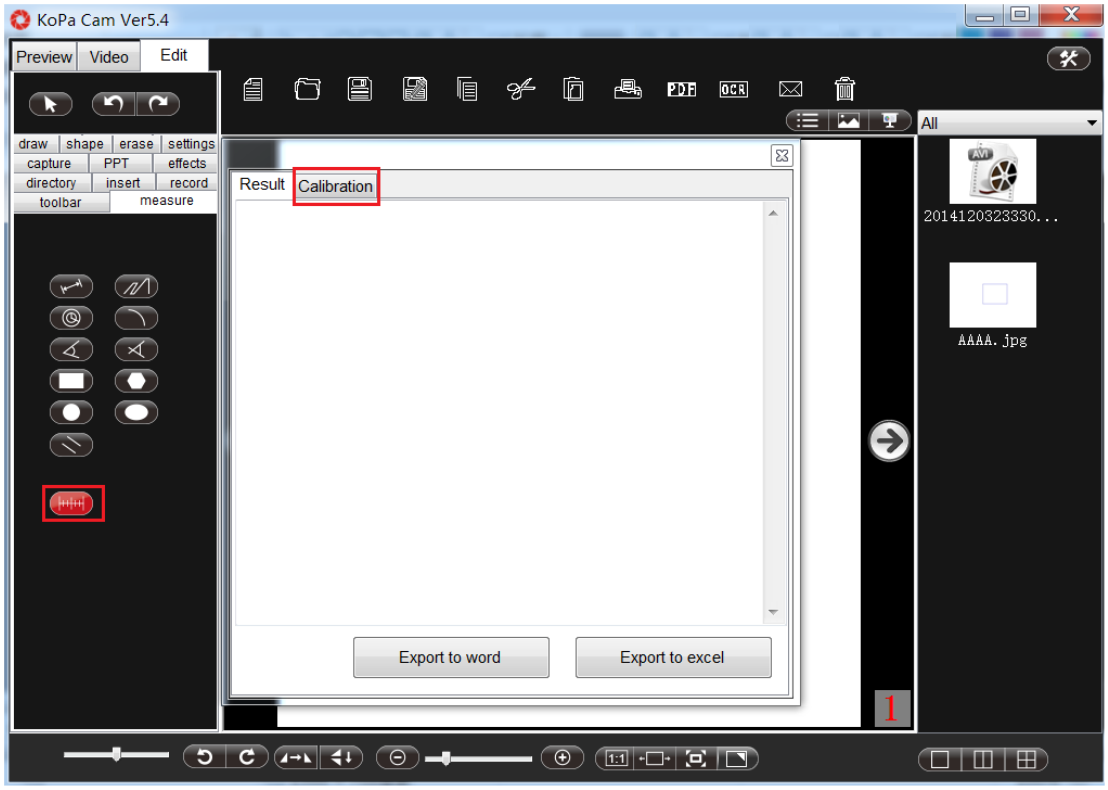
Polygon measurement : Measure the perimeter and the square of polygons.

	Round measurement	:	Measure the square, the perimeter, and the radius of circles.
	Ellipse measurement	:	Measure the radius, the perimeter, and the square of ellipses.
	Parallel line distance	:	Measure the distance between parallel lines.
	Calibration	:	Set the calibration.

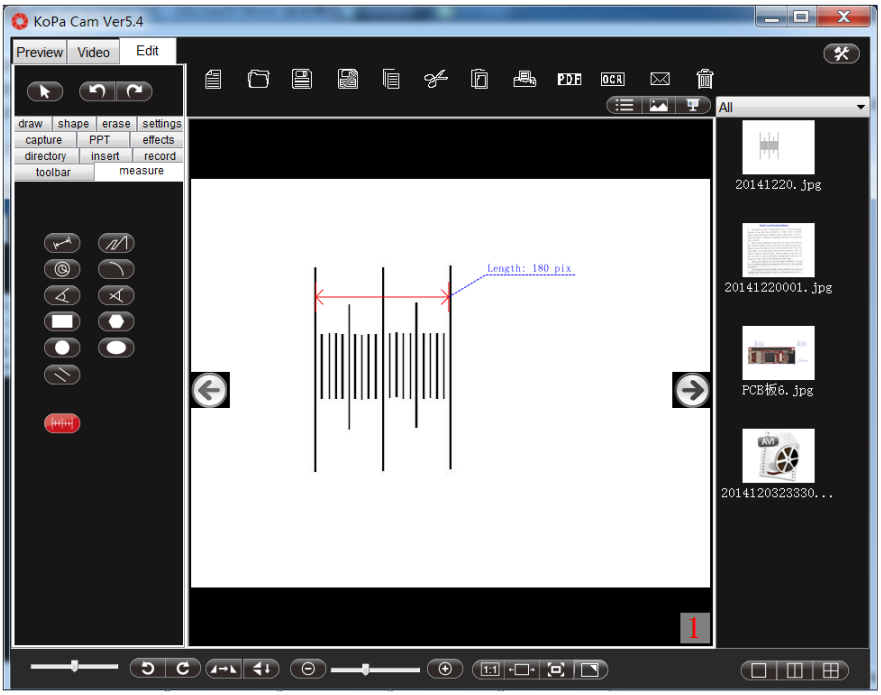
CALIBRATION

Step 1: Set calibration

1. Click on the calibration button “ ”, the “measurement results display window” will pop up, please choose “calibration”.



2. Take a clear picture with the accurate calibration ruler, and then draw the custom base line of calibration in the plot area, as shown below:



3. The calibration parameter setting in the “measurement results display window” Set step by step, from ①→②→③→④→⑤, as shown blow:

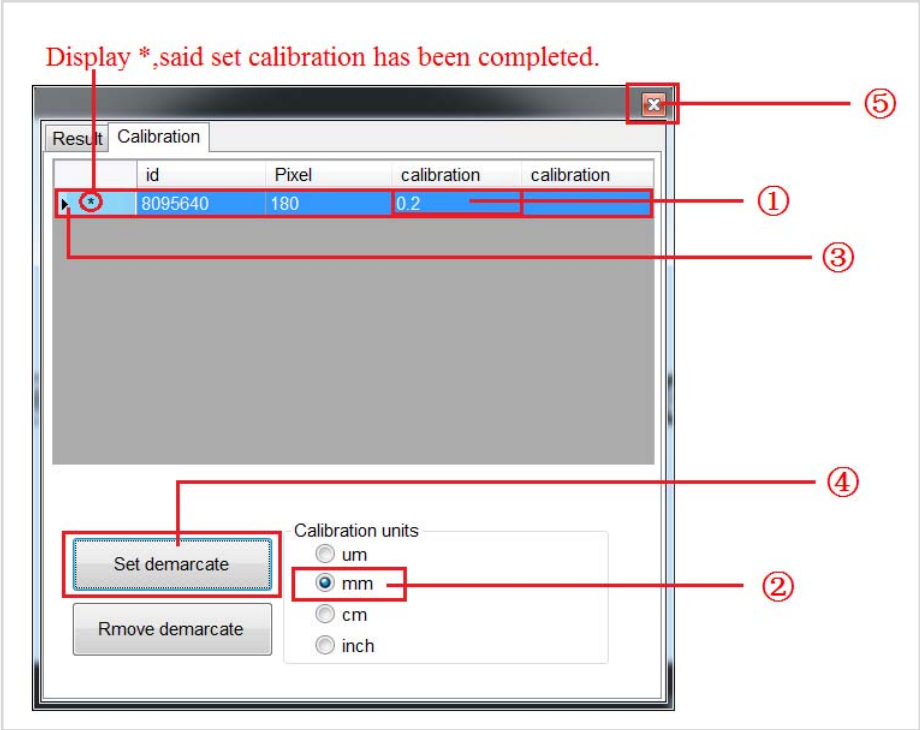
①Input the custom length of calibration

②Choose the unit consistent to the base line

③Choose the record of this line

④Click on “calibration setting”, the first grid will display “*”, and finish.

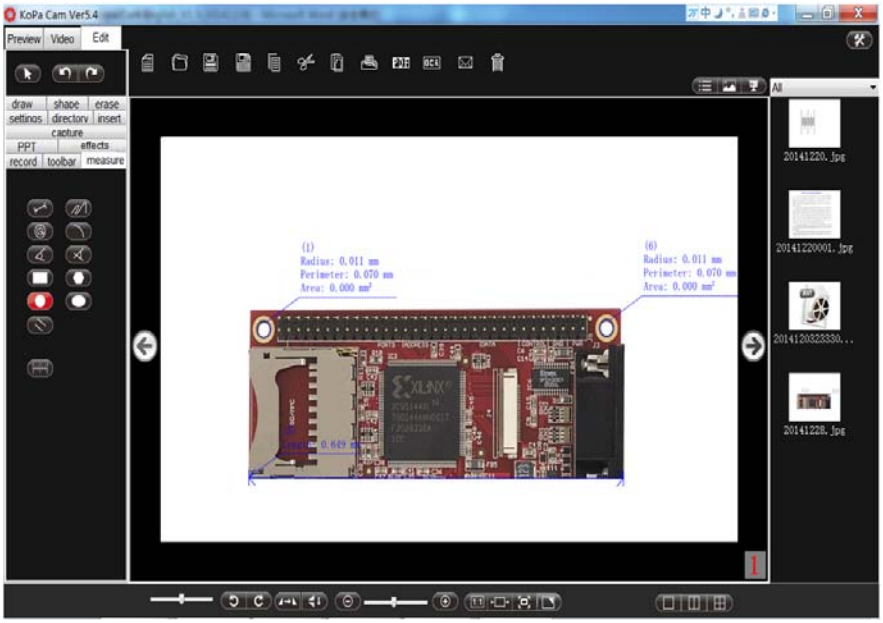
⑤Click on “out” and close the window.



Step 2: Actual measurement (take measuring straight lines and circles as example)

Double click on the image of the measured object in the thumbnail, choose the line tool " " and the circle tool " " in measuring tools, and then choose the measuring target. The result will be shown as below.

Note: For best results, set the image to "actual size" when measuring.



Step 3: Measuring Results

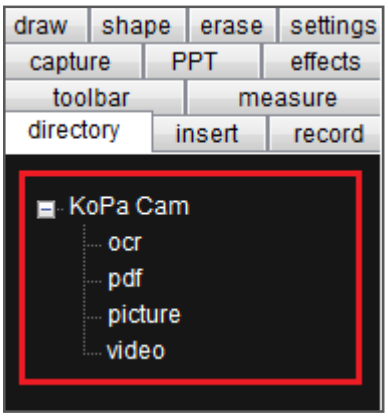
Measurements can be exported to WORD or EXCEL. Fill in the file name, and "save", the generated files will be automatically open. Appear as shown below:

Serial No.	measure item	measured value
1	round measurement	Radius=0.011 mm Perimeter=0.070 mm Area=0.000 mm²
5	measure line	Length=0.649 mm
6	round measurement	Radius=0.011 mm Perimeter=0.070 mm Area=0.000 mm²

document creation time2014/12/28 14:47:12

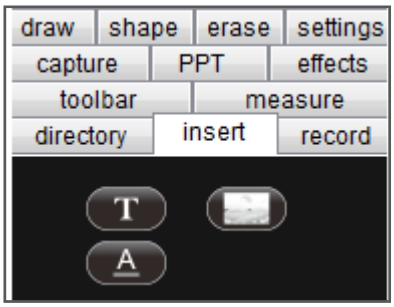
4.2.11"CONTENT TREE" FUNCTION

This function can be used to check files under specified content, as shown below.



4.2.12"INSERT" FUNCTION

This function can be used to insert "text", "picture" etc. into the image working area.



Typeface : Insert text.

Image : Insert a picture.

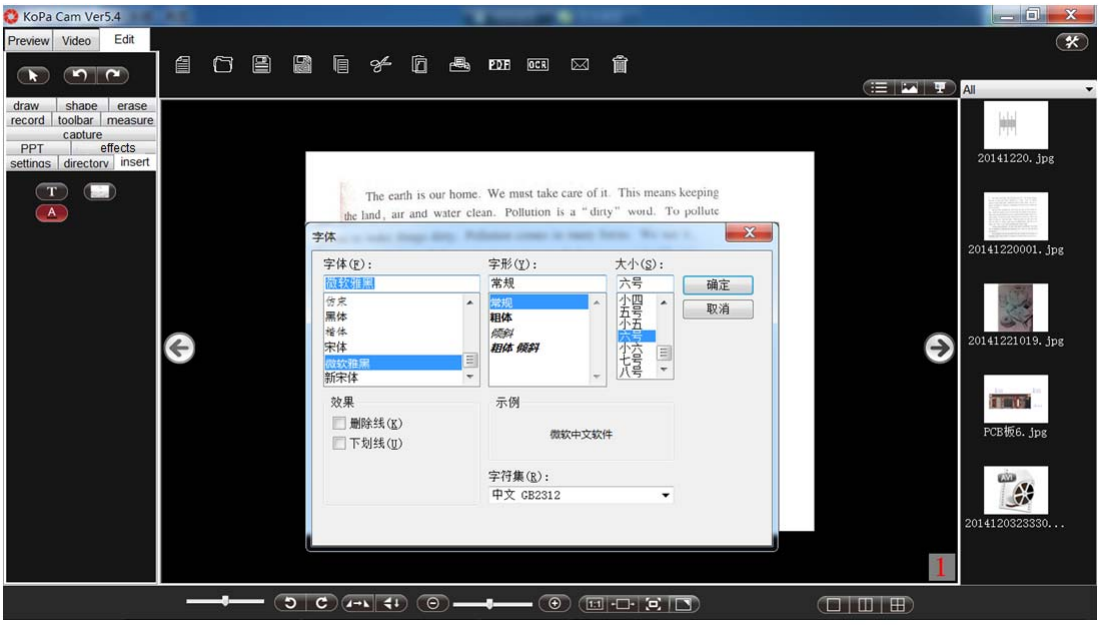
Font settings : Set the font, font, size, and effect.

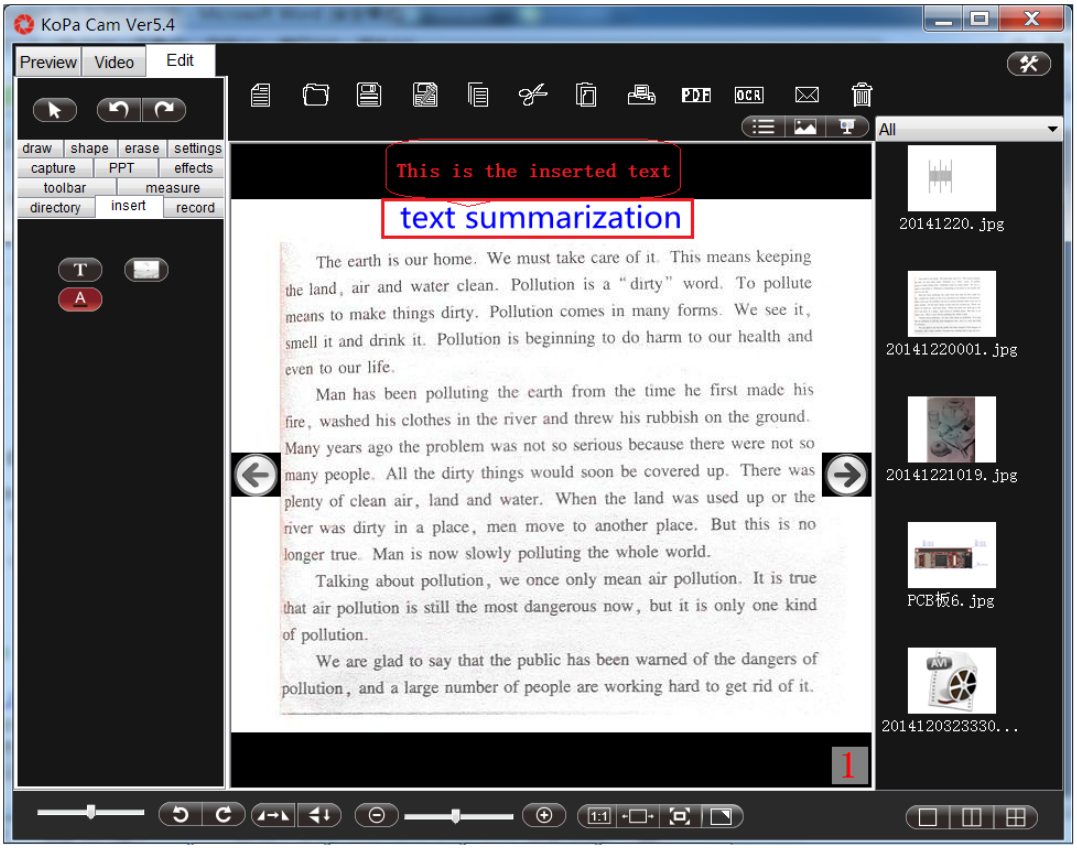
Note 1: Select Insert , you need to choose to set the font, To set the desired font, font, size, effect.

Note2: For best results with "insert character" function, ensure image is "actual size" . You can also modify the currently inserted character font by the

function.

An example is shown below:


KoPa Cam Ver5.4
Preview
Video
Edit
draw
shape
erase
record
toolbar
measure
capture
PPT
effects
settings
directory
insert
All
20141220.jpg
20141220001.jpg
20141221019.jpg
PCB板6.jpg
20141203233330...
The earth is our home. We must take care of it. This means keeping the land, air and water clean. Pollution is a "dirty" word. To pollute
字体
字体(F):
字形(Y):
大小(S):
常规
六号
确定
取消
效果
删除线(K)
下划线(U)
示例
微软中文软件
字符集(R):
中文 GB2312
1

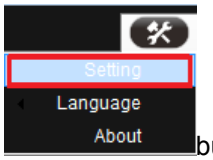

KoPa Cam Ver5.4
Preview
Video
Edit
draw
shape
erase
settings
capture
PPT
effects
toolbar
measure
directory
insert
record
All
This is the inserted text
text summarization
The earth is our home. We must take care of it. This means keeping the land, air and water clean. Pollution is a "dirty" word. To pollute means to make things dirty. Pollution comes in many forms. We see it, smell it and drink it. Pollution is beginning to do harm to our health and even to our life.
Man has been polluting the earth from the time he first made his fire, washed his clothes in the river and threw his rubbish on the ground. Many years ago the problem was not so serious because there were not so many people. All the dirty things would soon be covered up. There was plenty of clean air, land and water. When the land was used up or the river was dirty in a place, men move to another place. But this is no longer true. Man is now slowly polluting the whole world.
Talking about pollution, we once only mean air pollution. It is true that air pollution is still the most dangerous now, but it is only one kind of pollution.
We are glad to say that the public has been warned of the dangers of pollution, and a large number of people are working hard to get rid of it.
20141220.jpg
20141220001.jpg
20141221019.jpg
PCB板6.jpg
20141203233330...
1

CHAPTER 5: ADVANCED SETTINGS

5.1 ADVANCED SETTINGS

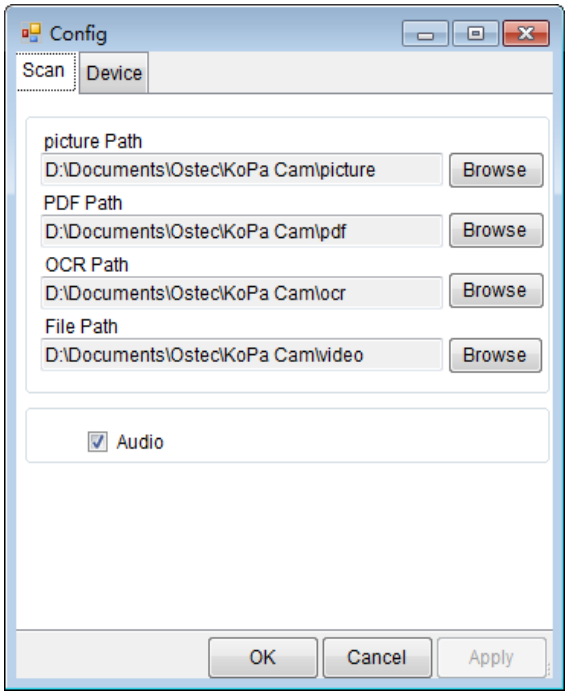
Click button for the following settings screen.

5.2 SETTING

Click 

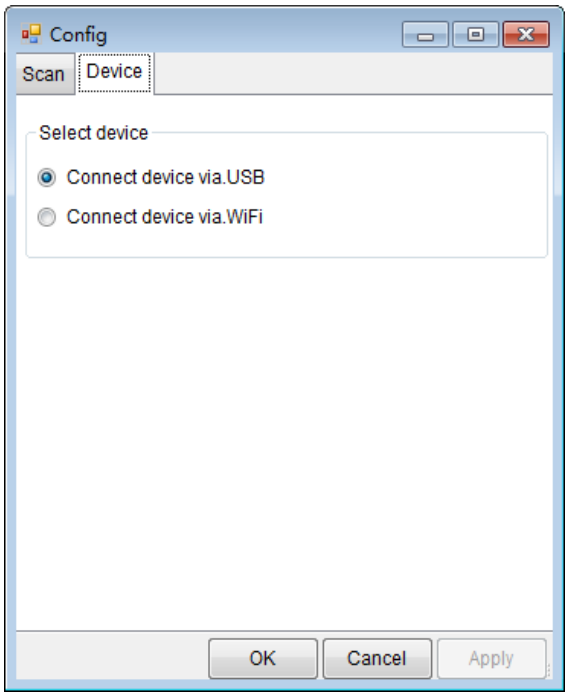
button in the advanced option. “Scan”, and the “Device” will be displayed.

Photograph: You can choose the image storage path for PDF documents, OCR, Word and Excel files and also video files.



5.3 CONNECTED DEVICES

You can connect your device via USB or WiFi, as shown below:



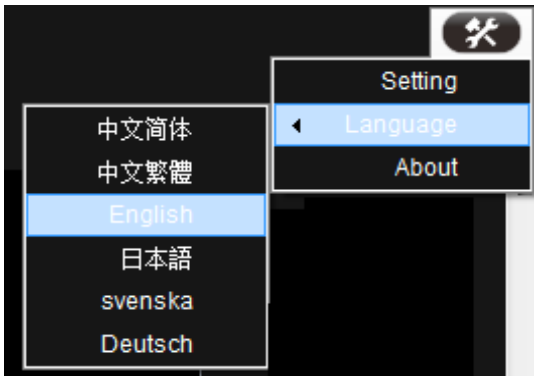
Note:

1. Some models do not support WiFi.

5.4 THE INTERFACE LANGUAGE SELECTION

Click

button in the advanced option button and 6 kinds of language version selection will be displayed. As shown below:



5.5 ABOUT

Click“About”Option，There will be detailed information of equipment and software.

About KoPa Cam
OSTEC
Product:KoPa Cam
Version:5.4
Copyright:Copyright (C) 2013 Ostec
Company:OSTEC OPTO-ELECTRONIC TECHNOLOGY CO.,LTD
Please visite the following link to get more
http://www.ostec.com.cn/